AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

Claim 1-10 (Canceled)

Claim 11 (Currently Amended). A radio reception apparatus, comprising:

a correlation calculator that performs a correlation calculation, having a calculation length, on a reception signal ~~with a calculation length~~ using a known signal;

a delay detector that performs a delay detection using a signal obtained from the correlation calculation;

a detector that detects a synchronization timing based on the delay detection; ~~and~~

a reception situation estimator that estimates ~~a reception situation~~ at least one of a signal to noise ratio, a reception power and an Eb/No from the reception signal; and

a calculation length controller that controls the calculation length according to the ~~reception situation~~ at least one of the signal to noise ratio, the reception power and the Eb/No estimated by the reception situation estimator.

Claim 12 (Currently Amended). The radio reception apparatus according to claim 11, wherein the calculation length controller increases the calculation length when the ~~reception situation~~ at least one of the signal to noise ratio, the reception power and the Eb/No is bad, and decreases the calculation length when the ~~reception situation~~ at least one of the signal to noise ratio, the reception power and the Eb/No is good.

Claim 13 (Previously Presented). The radio reception apparatus according to claim 11,

wherein the calculation length controller controls the calculation length according to a number of times the synchronization timing is detected.

Claims 14-18 (Canceled).

Claim 19 (Currently Amended). A synchronization timing detection method, comprising:

performing a correlation calculation, having a calculation length, on a reception signal ~~with a calculation length~~ using a known signal;

detecting a delay using a signal obtained as a result of the correlation calculation;

detecting a synchronization timing from the detected delay;

estimating ~~a reception situation~~ at least one of a signal to noise ratio, a reception power and an Eb/No from the reception signal; and

controlling the calculation length according to the estimated ~~reception situation~~ at least one of the signal to noise ratio, the reception power and the Eb/No.

Claims 20-21 (Canceled).

Claim 22 (Currently Amended). The synchronization timing detection method according to claim 19, wherein controlling the calculation length comprises increasing the calculation length when the ~~reception situation~~ at least one of the signal to noise ratio, the reception power and the Eb/No is bad and decreasing the calculation length when the ~~reception situation~~ at least one of the signal to noise ratio, the reception power and the Eb/No is good.

Claim 23 (Currently Amended). The synchronization timing detection method according to claim 19, further comprising ~~further~~ controlling the calculation length according to a number of times the synchronization timing is detected.